

**ABSTRACT**

A carton for carrying containers, such as cans, or other articles in two layers which has an interlocking separator pad between the two layers is provided. This separator pad has at least one leading flap which extends through slits provided on the side end flaps on the interlocking end of the carton so that the leading flap is folded up or down and the bottom end flap and top end flap folded and glued to the side end flaps of the carton. This pad may have a trailing flap that is folded up or down on the other end of the carton to assist in holding the pad in position. This pad may have a leading flap on both ends for interlocking both ends of the carton to the interlocking separator pad. This carton may be provided with a dispenser in the side panel near the end on which the carton is rested to dispense cans. This dispenser may extend into the top panel and the bottom panel so that the ends of the cans can be grasped for easy removal. A dispenser may also be provided by forming tears line in the bottom end flap and top end flap that turn and extend along the fold lines between the bottom panel and the top panel until they reach the side panel on which the carton rests for dispensing cans from this dispenser. When this dispenser is used the trailing flap needs to be constructed so it does not extend into the opening formed when the dispenser is opened.